

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2016, Kansas

Year	Coal ^a	Natural Gas ^b	Petroleum				Biomass	Geothermal ^e	Solar ^{e,f}	Retail Electricity Sales	Net Energy ^{e,g}	Electrical System Energy Losses ^h	Total ^{e,g}
	Thousand Short Tons	Billion Cubic Feet	Distillate Fuel Oil	HGL ^c	Kerosene	Total	Wood ^d			Million Kilowatthours			
			Thousand Barrels				Thousand Cords						
1960	37	73	53	3,609	303	3,966	157	--	--	2,360	--	--	--
1965	10	87	50	4,179	1,285	5,515	102	--	--	3,251	--	--	--
1970	6	97	53	5,052	116	5,221	80	--	--	5,348	--	--	--
1975	0	98	96	4,778	60	4,934	93	--	--	5,695	--	--	--
1980	1	85	150	2,181	5	2,335	439	--	--	7,189	--	--	--
1985	(s)	78	68	1,538	27	1,633	560	--	--	8,195	--	--	--
1990	(s)	71	28	1,238	11	1,277	317	--	--	9,515	--	--	--
1995	5	76	14	1,538	13	1,565	278	--	--	10,356	--	--	--
1996	9	85	17	2,064	19	2,101	289	--	--	10,672	--	--	--
1997	(s)	69	35	2,494	12	2,541	225	--	--	10,862	--	--	--
1998	(s)	70	11	2,657	18	2,686	200	--	--	11,832	--	--	--
1999	1	68	14	3,499	346	3,859	205	--	--	11,347	--	--	--
2000	1	71	17	2,720	20	2,757	221	--	--	12,528	--	--	--
2001	(s)	70	44	1,959	14	2,017	218	--	--	12,062	--	--	--
2002	(s)	71	36	2,356	10	2,401	221	--	--	12,745	--	--	--
2003	(s)	70	18	2,553	11	2,583	232	--	--	12,602	--	--	--
2004	0	65	13	2,332	10	2,355	238	--	--	12,417	--	--	--
2005	0	65	4	2,244	10	2,257	198	--	--	13,406	--	--	--
2006	(s)	57	3	1,630	5	1,638	176	--	--	13,503	--	--	--
2007	0	63	2	2,117	2	2,121	194	--	--	13,806	--	--	--
2008	0	70	4	2,744	1	2,749	218	--	--	13,502	--	--	--
2009	0	71	4	2,594	3	2,601	226	--	--	13,149	--	--	--
2010	0	67	3	2,327	2	R 2,332	197	--	--	14,334	--	--	--
2011	0	65	7	2,147	1	R 2,156	202	--	--	14,344	--	--	--
2012	0	50	8	1,740	(s)	R 1,748	188	--	--	13,797	--	--	--
2013	0	68	3	2,023	(s)	R 2,026	260	--	--	13,593	--	--	--
2014	0	71	1	2,255	1	R 2,257	R 263	--	--	13,685	--	--	--
2015	0	R 58	4	2,127	(s)	R 2,131	R 195	--	--	13,242	--	--	--
2016	0	54	1	1,668	9	1,679	156	--	--	13,509	--	--	--
Trillion Btu													
1960	0.8	76.1	0.3	13.8	1.7	15.9	3.1	NA	NA	8.1	103.9	19.9	123.8
1965	0.2	86.4	0.3	16.0	7.3	23.6	2.0	NA	NA	11.1	123.3	26.5	149.8
1970	0.1	97.1	0.3	19.4	0.7	20.3	1.6	NA	NA	18.2	137.4	44.1	181.6
1975	0.0	96.6	0.6	18.3	0.3	19.2	1.9	NA	NA	19.4	137.1	46.6	183.7
1980	(s)	84.8	0.9	8.4	(s)	9.3	8.8	NA	NA	24.5	127.4	58.9	186.3
1985	(s)	78.3	0.4	5.9	0.2	6.4	11.2	NA	NA	28.0	124.0	64.0	188.0
1990	(s)	71.3	0.2	4.7	0.1	5.0	6.3	(s)	(s)	32.5	115.1	80.9	196.0
1995	0.1	76.1	0.1	5.9	0.1	6.1	5.6	(s)	(s)	35.3	123.2	85.7	208.9
1996	0.2	85.1	0.1	7.9	0.1	8.1	5.8	(s)	(s)	36.4	135.7	89.6	225.3
1997	(s)	69.6	0.2	9.6	0.1	9.8	4.5	(s)	(s)	37.1	121.0	92.2	213.2
1998	(s)	69.8	0.1	10.2	0.1	10.4	4.0	(s)	(s)	40.4	124.6	97.0	221.6
1999	(s)	67.8	0.1	13.4	2.0	15.5	4.1	(s)	(s)	38.7	126.2	94.0	220.1
2000	(s)	71.1	0.1	10.4	0.1	10.6	4.4	(s)	(s)	42.7	129.0	103.5	232.5
2001	(s)	70.5	0.3	7.5	0.1	7.9	4.4	(s)	(s)	41.2	123.9	97.8	221.7
2002	(s)	71.5	0.2	9.0	0.1	9.3	4.4	(s)	(s)	43.5	128.7	103.0	231.7
2003	(s)	71.2	0.1	9.8	0.1	10.0	4.6	0.1	(s)	43.0	128.9	101.9	230.8
2004	0.0	65.9	0.1	8.9	0.1	9.1	4.8	0.1	(s)	42.4	122.2	101.9	224.1
2005	0.0	65.9	(s)	8.6	0.1	8.7	4.0	0.1	(s)	45.7	124.3	109.3	233.6
2006	(s)	58.2	(s)	6.3	(s)	6.3	3.5	0.1	(s)	46.1	114.2	109.0	223.2
2007	0.0	64.2	(s)	8.1	(s)	8.1	3.9	0.1	(s)	47.1	123.5	111.6	235.1
2008	0.0	72.9	(s)	10.5	(s)	10.6	4.4	0.1	(s)	46.1	134.0	108.2	242.2
2009	0.0	72.5	(s)	10.0	(s)	10.0	4.5	0.1	(s)	44.9	132.0	107.3	239.3
2010	0.0	68.4	(s)	8.9	(s)	9.0	3.9	0.2	(s)	48.9	R 130.4	116.8	R 247.2
2011	0.0	66.8	(s)	8.2	(s)	R 8.3	4.0	0.6	(s)	48.9	R 128.7	115.9	R 244.6
2012	0.0	51.6	(s)	6.7	(s)	R 6.7	3.8	0.3	(s)	47.1	R 109.5	111.2	R 220.7
2013	0.0	69.3	(s)	7.8	(s)	R 7.8	5.2	0.3	(s)	46.4	R 128.9	107.0	R 235.9
2014	0.0	72.8	(s)	8.6	(s)	R 8.7	5.3	0.3	(s)	46.7	R 133.8	106.6	R 240.4
2015	0.0	R 60.4	(s)	8.2	(s)	R 8.2	3.9	0.3	0.1	45.2	R 118.0	103.1	R 221.1
2016	0.0	55.9	(s)	6.4	0.1	6.5	3.1	0.3	0.1	46.1	112.0	101.0	213.0

^a Beginning in 2008, data are no longer collected and are assumed to be zero.

^b Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d Wood and wood-derived fuels.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

^g Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

^h Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.